

# Converting Colors

XYZ(65.6414, 76.7567, 76.7075)

Have a look what the booklet for  
XYZ(65.6414, 76.7567, 76.7075)  
contains.

<b>XYZ(65.8085, 77.0064, 77.0409)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(65.8085, 77.0064,  
77.0409)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6ECD9
RGB	198, 236, 217
RGB Percent	78%, 93%, 85%
CMY	0.2235, 0.0745, 0.1490
CMYK	0.16, 0.00, 0.08, 0.07
HSL	150°, 50%, 85%
HSV	150°, 16%, 93%
XYZ	65.8085, 77.0064, 77.0409
YIQ	222.4720, -16.5490, -13.9650

# Conversions

## Conversions Part 2

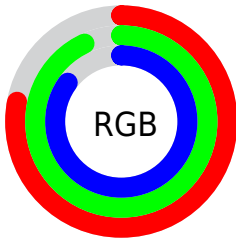
Format	Color
R <sub>YB</sub>	198, 223, 236
Decimal	13036761
CIE Lab	90.32, -15.96, 5.10
CIE LCh	90, 16.756, 162.277
Yxy	77.0064, 0.2993, 0.3503
Android (android.graphics.Color)	4291226841 (0xFFC6ECD9)
YUV	222.4720, -2.6977, -21.4619
Hunter-Lab	87.7533, -19.7064, 9.3751

# Details

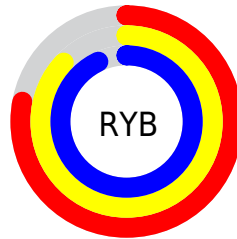
The XYZ color **65.8085, 77.0064, 77.0409** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.3132, 63.2326, 74.3063**, and the grayscale version is **69.7935, 73.4282, 79.9633**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.3444, 41.1804, 40.3209** is the 20% darker color. If you saturate the color by 10%, you get **58.5856, 73.4561, 68.9753**, and if you desaturate by 10%, it is **74.1147, 81.1068, 85.7335**.

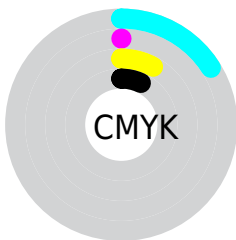
# Distribution



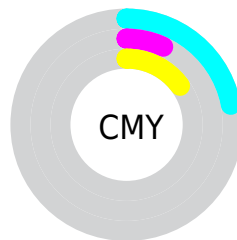
- Red (78%)
- Green (93%)
- Blue (85%)



- Red (78%)
- Yellow (87%)
- Blue (93%)



- Cyan (16%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (22%)
- Magenta (7%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.8085, 77.0064, 77.0409 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 65.8085, 77.0064, 77.0409 by changing the saturation by 10% instead.



65.8085, 77.0064,  
77.0409

65.8085, 77.0064,  
77.0409

435.1911,  
484.7858, 504.3448

48.3841, 57.2581,  
56.7747

112.2707,  
129.1485, 130.9708

34.3437, 41.2125,  
40.4162

142.0392,  
162.3111, 165.4715

23.3219, 28.4852,  
27.5470

176.6531,  
200.7140, 205.5541

14.9534, 18.6917,  
17.7484

216.4777,  
244.7415, 251.6372

8.8728, 11.4477,  
10.6019

261.8785,  
294.7781, 304.1392

4.7147, 6.3688,  
5.6890

313.2208,

2.1139, 3.0706,

351.2081, 363.4789

2.5912

370.8699,  
414.4158, 430.0745

0.6968, 1.1687,  
0.8879

0.0000, 0.0359,  
0.0000

65.8085, 77.0064,  
77.0409

65.8085, 77.0064,  
77.0409

58.5856, 73.4561,  
68.9753

74.1147, 81.1068,  
85.7335

52.3927, 70.4222,  
61.5174

83.5419, 85.7700,  
95.0616

47.1811, 67.8820,  
54.6544

88.8719, 88.3078,  
104.7937

42.8959, 65.8075,  
48.3708

89.2869, 88.4738,  
106.9790

■ 39.4763, 64.1677,  
42.6508

■ 36.8536, 62.9275,  
37.4774

■ 34.9482, 62.0460,  
32.8325

■ 33.6617, 61.4730,  
28.6966

■ 33.2665, 61.3016,  
27.2164

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.9234, 77.0064, 67.9600



65.8085, 77.0064, 77.0409



65.6248, 77.0064, 88.8315

# Triad

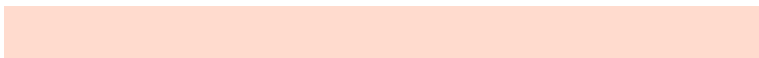
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.8085, 77.0064, 77.0409



74.9127, 77.0064, 108.3789



79.2943, 77.0064, 69.3116

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



65.8085, 77.0064, 77.0409



67.3132, 63.2326, 74.3063

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.3203, 77.0064, 79.0523



65.8085, 77.0064, 77.0409



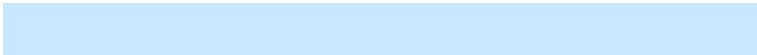
78.7268, 77.0064, 102.0347

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



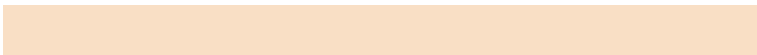
65.8085, 77.0064, 77.0409



70.7756, 77.0064, 107.7094



81.1087, 77.0064, 91.0423



75.6634, 77.0064, 63.7979



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.8085, 77.0064, 77.0409



66.6125, 77.0064, 96.7338



81.1087, 77.0064, 91.0423



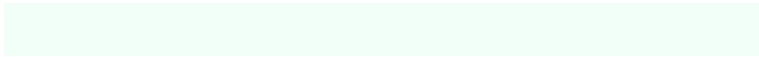
80.1917, 77.0064, 72.1585

# Sweetspot

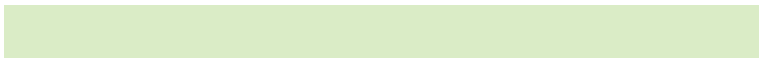
The Sweet Spot groups the original color and five complimentary colors.



65.8106, 77.0096, 77.0426



89.5042, 97.2577, 103.3710



68.9950, 78.9206, 65.0238



18.9966, 20.7376, 21.9626



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

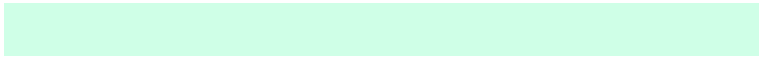


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.8106, 77.0096, 77.0426



75.7583, 90.4774, 88.9043



68.3352, 78.0195, 90.3367



15.1824, 16.9878, 17.6434



18.4016, 33.8151, 15.3459



1.4935, 2.6747, 1.4607



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



67.3132, 63.2326, 74.3063



77.8363, 71.4248, 85.1202



65.0547, 62.3292, 62.4129



15.3796, 15.1797, 17.2843



20.9360, 10.5771, 10.7302

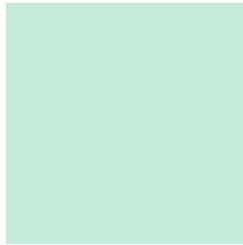


1.6925, 0.8500, 1.0983



# Previews

## White Background



This preview shows how the XYZ color 65.8085, 77.0064, 77.0409 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.8085, 77.0064, 77.0409 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

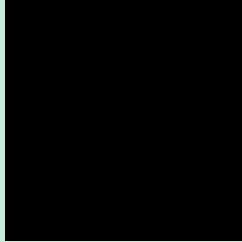
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

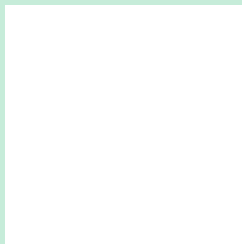
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 65.8085, 77.0064, 77.0409**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.8085, 77.0064, 77.0409.



This preview shows how white text looks on a background with the XYZ color 65.8085, 77.0064,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

65.8085, 77.0064, 77.0409

### Protanopia

73.0117, 76.6386, 73.2320

### Deuteranopia

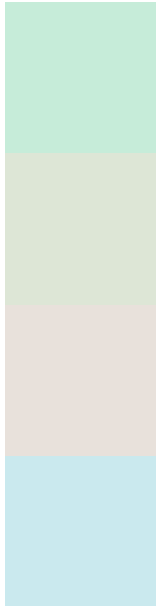
78.0334, 76.3396, 78.3324



## **Tritanopia**

70.7331, 76.8913, 101.5560

# Trichromacy



**Original Color**

65.8085, 77.0064, 77.0409

**Protanomaly**

70.2532, 76.8208, 74.7435

**Deuteranomaly**

72.9901, 76.1207, 77.8636

**Tritanomaly**

68.9287, 77.0074, 92.1199

# Monochromacy



**Original Color**

65.8085, 77.0064, 77.0409

**Achromatopsia**

69.4303, 73.0461, 79.5472

**Achromatomaly**

67.8279, 74.2516, 78.4672

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.8085, 77.0064, 77.0409 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(198, 236, 217)` looks like.

```
.text, #text, p{  
    color:rgb(198, 236, 217)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(198, 236, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 236, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 65.8085, 77.0064, 77.0409 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 236, 217) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(198, 236, 217) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(198, 236, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 236, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 236, 217); box-shadow:4px 4px 4px 4px rgb(198, 236, 217) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.8085, 77.0064, 77.0409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 236, 217) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(198,  
236, 217) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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